

Serial No. 09/780,038
Reply to Office Action of December 22, 2004

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A method for installing systems management software on a host device to be remotely monitored, comprising:

communicatively linking an installation station and the host device, wherein the host device is positioned remote from the installation station;

receiving over the communication link at the installation station computing environment information for the host device;

after the receiving of the computing environment information, loading an installation tool configured to automatically install the systems management software on the host device;

after the loading of the installation tool, transmitting a software payload comprising the systems management software from the installation station to the host device;

first operating the installation tool to automatically install the software payload on the host device; and

~~after the first operating,~~ second operating the installation tool to automatically configure the installed software payload based on the computing environment information, wherein the computing environment information comprises thresholds based on configuration of the host device and the automated configuring comprises modifying the installed software payload based on the thresholds[.].

wherein the installation station accesses data storage storing differing ones of the systems management software and selects the software payload from the differing ones based on the received computing environment information.

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Claim 2 (original): The method of claim 1, wherein the computing environment information includes information selected from the group consisting of host information, identification of modules for monitoring the host device, thresholds based on configuration of the host device, and installation commands to run during the first operating.

Claim 3 (original): The method of claim 1, further including loading a survey tool on the host device and running the survey tool to automatically gather the computing environment information.

Claim 4 (original): The method of claim 3, further including prior to the installation tool loading and the survey tool loading, transmitting the installation tool and the survey tool from the installation station to the host device.

Claim 5 (original): The method of claim 3, wherein the survey tool is configured to create an extensible markup language (XML) descriptor file including the computing environment information.

Claim 6 (canceled)

Claim 7 (currently amended): A method of deploying systems management software within a network including multiple managed hosts, comprising:

- positioning an installation station within the network, wherein the installation station includes data storage for storing the systems management software and is in communication with a first and a second one of the managed hosts;

- transmitting from the first and second ones an installation initiation request to the installation station;

- in response to receiving the installation requests, establishing with the installation station a first active installation session and a second active installation session;

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at the first and the second ones, downloading a survey tool from the installation station;

executing the downloaded survey tools to gather environment information for the first and second ones and to create output files comprising the gathered environment information, wherein the gathered environment information for the first one differs from the gathered environment information for the second one;

at the first and the second ones, downloading an installation tool from the installation station;

transmitting the output files from the first and second ones to the installation station;

in response to receiving the output files, transferring a payload of the systems management software to the first and second ones, wherein prior to the transferring a first portion of the systems management software is selected for inclusion in the payload to the first one based on the gathered environment information and a second portion of the systems management software is selected for inclusion in the payload to the second one based on the gathered environment information; [[and]]

at the first and second ones, installing the transferred payloads with the installation tool; and

after the installing of the transferred payloads, configuring the installed payloads at the first and second ones based on the differing environment information.

wherein the transferring and installing of the payloads is remotely managed with the first and second active installation sessions at the installation station.

Claim 8 (original): The method of claim 7, wherein the survey tool downloading, the executing, the installation tool downloading, the transmitting, and the installing occur at least partially concurrently at the first and the second ones of the managed hosts.

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Claims 9-11 (canceled)

Claim 12 (original): The method of claim 7, further including allocating network addresses to network devices associated with the first and second ones.

Claim 13 (original): The method of claim 12, wherein the network address allocating is performed at least partially concurrently with the installing and wherein network addresses are selected from network addresses preprogrammed into a router based on a forecasted number of the associated network devices.

Claim 14 (currently amended): A networked method for automatically deploying and installing agent software in a network computer device, comprising:

- communicatively linking an installation station via a communications network to the network computer device;

- downloading a survey script from the installation station onto the network computer device;

- executing the survey script to automatically create an output file defining a computing environment for the network computer device;

- downloading an installation Daemon from the installation station onto the network computer device;

- using the installation Daemon to retrieve the output file and transfer a copy of the output file to the installation station;

- in response to receiving the copy, transferring the agent software to the network computer device over the communications network;

- automatically installing the agent software on the network computer device with the installation Daemon; and

- with the installation Daemon, performing modifications of the installed agent software based on the output file to enhance operation of the installed agent software.

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Claim 15 (canceled)

Claim 16 (original): The method of claim 14, wherein the output file includes information selected from the group consisting of network computer device hardware and software configuration information, identification of modules for monitoring the network computer device, thresholds based on configuration of the network computer device, and installation commands for the installation Daemon to run during the installing.

Claim 17 (original): The method of claim 14, wherein the installation Daemon is adapted to create progress messages during the installing and wherein the progress messages are accessible by the network computer device.

Claim 18 (currently amended): A network system for remotely monitoring an operating computer system, comprising:

- a managed host in the operating computer system linked to a communications network, the managed host including a survey tool for automatically gathering environment information and an installation tool for transmitting the environment information over the communications network and for automatically installing systems management software on the managed host;

- an installation station linked to the communications network configured to receive the environment information and in response to transmit a payload of the systems management software to the managed host; and

- a remote service linked to the communications network and operable to monitor operations of the computer system via execution of the installed systems management software on the managed host;

wherein the installation tool is further configured to modify the installed systems management software based on the environment information and wherein the installation station processes the environment information to select the payload to match the environment information.

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Claims 19-21 (canceled)

Claim 22 (original): The system of claim 21, wherein the installation tool functions to generate an installation report and transmit the installation report to the installation station, wherein the installation station functions in response to the installation report to transmit a request for approval of adding the managed host to the network system to the remote service, and wherein the remote service responds to the request for approval by determining whether to begin monitoring the managed host.

Claim 23 (currently amended): A method for installing systems management software on a host device to be remotely monitored, comprising:

communicatively linking with a link an installation station and the host device, wherein the host device is positioned remote from the installation station;

installing a survey tool on the host device operable to gather computing environment information, wherein the computing environment information comprises thresholds calculated by the survey tool;

receiving over the communication link at the installation station the computing environment information for the host device, the computing environment information comprising the calculated thresholds ~~based on configuration of the host device;~~

loading an installation tool configured to automatically install the systems management software on the host device;

transmitting a software payload comprising the systems management software from the installation station to the host device, wherein the software payload is not presently running on the host device;

first operating the installation tool to automatically install the software payload on the host device; and

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second operating the installation tool to automatically configure the installed software payload based on the computing environment information including the calculated thresholds.

Claim 24 (canceled)

Claim 25 (currently amended): A method for installing systems management software on a host device to be remotely monitored, the systems management software comprising one or more software agents operating to manage operation of the host device such as by managing software distribution, version control, backup and recovery, virus protection, network management, or other functions of the host device, comprising:

communicatively linking with a link an installation station and the host device, wherein the host device is positioned remote from the installation station;

installing a survey tool on the host device;

operating the survey tool to gather environment information for the host device and to determine commands to run during installation of the software payload on the host device;

receiving over the communication link at the installation station computing environment information for the host device;

loading an installation tool configured to automatically install the systems management software on the host device;

transmitting a software payload comprising the systems management software from the installation station to the host device;

first operating the installation tool to automatically install the software payload on the host device, the first operating comprising running the commands determined by the survey tool; and

second operating the installation tool to automatically configure the installed software payload based on the computing environment information.